WHAT IS CLAIMED IS:

1   1.   A combination switch in electronic communication with a telecommunications

2   network, wherein the telecommunications network includes at least one frame of

3   circuit-switched data and at least one packet of Internet Protocol data, comprising:

4   a time slot switch for receiving the at least one frame of circuit-switched data;

5   and

6   a router for receiving the at least one packet of Internet Protocol data in

7   electronic communication with the time slot switch.

1   2.   The combination switch of Claim 1, further comprising:

2   at least one central processing unit in electronic communication with the time

3   slot switch and the router.

1   3.   The combination switch of Claim 2, wherein the at least one central processing

2   unit executes a network management protocol.

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1   4.   The combination switch of Claim 2, wherein the time slot switch is

2   implemented using at least one first digital signal processor in electronic communication with

3   the at least one central processing unit.

1   5.   The combination switch of Claim 4, wherein the router is implemented using

2   at least one second digital signal processor in electronic communication with the at least one

3   central processing unit.

1   6.   A routing-switching base station in electronic communication with a

2   telecommunications network, wherein the telecommunications network includes at least one

3   frame of circuit-switched data and at least one packet of Internet Protocol data, comprising:

4   a combination time slot switch and Internet Protocol switch for receiving the

5   at least one frame of circuit-switched data and the at least one packet of Internet Protocol

6   data; and

7   a plurality of transceivers, wherein each one of the plurality of transceivers is

8   in electronic communication with the combination time slot switch and Internet Protocol

9   switch.

1   7.   The routing-switching base station of Claim 6, wherein at least one of the

2   plurality of transceivers receives a selected portion of the at least one frame of

3   circuit-switched data from the combination time slot switch and Internet Protocol switch.

1   8.   The routing-switching base station of Claim 6, wherein at least one of the

2   plurality of transceivers receives at least one packet of Internet Protocol data from the

3   combination time slot switch and Internet Protocol switch.

1   9.   The routing-switching base station of Claim 6, further comprising:

2   at least one central processing unit in electronic communication with the

3 combination time slot switch and Internet Protocol switch.

1   10.   The routing-switching base station of Claim 9, wherein the at least one central

2 processing unit executes a network management protocol..

1   11.   The combination switch of Claim 9, wherein the combination time slot switch

2 and Internet Protocol switch is implemented using at least one digital signal processor in

3 electronic communication with the at least one central processing unit.

1   12.   The routing-switching base station of claim 6, wherein at least one of the

2 plurality of transceivers is a radio frequency transceiver.

1   13. A routing-switching base station in electronic communication with a

2 telecommunications network, wherein the telecommunications network includes at least one

3 frame of circuit-switched data and at least one packet of Internet Protocol data, comprising:

4   a time slot switch for receiving the at least one frame of circuit-switched data;

5   a router in electronic communication with the time slot switch for receiving

6 the at least one packet of Internet Protocol data; and

7   a plurality of transceivers, wherein at least one of the plurality of transceivers

8 is in electronic communication with the time slot switch, and wherein at least one of the

9 plurality of transceivers is in electronic communication with the Internet Protocol switch.

1   14. The routing-switching base station of Claim 13, wherein the at least one of the

2 plurality of transceivers in electronic communication with the time slot switch receives a

3 selected portion of the at least one frame of circuit-switched data.

1   15.   The routing-switching base station of Claim 13, wherein at least one of the

2   plurality of transceivers in electronic communication with the router receives at least one

3   packet of Internet Protocol data.

1   16.   The routing-switching base station of Claim 13, further comprising:

2   at least one central processing unit in electronic communication with the time

3   slot switch and the router.

1   17.   The routing-switching base station of Claim 16, wherein the at least one

2   central processing unit executes a network management protocol.

1   18.   The routing-switching base station of Claim 13, wherein the time slot switch

2   and the router are implemented using at least one digital signal processor in electronic

3   communication with the at least one central processing unit.

1   19.   The routing-switching base station of Claim 13, wherein at least one of the

2   plurality of transceivers is a radio frequency transceiver.

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1   20.   A routing radio base station in electronic communication with a

2   telecommunications network, wherein the telecommunication network includes at least one

3   packet of Internet Protocol data, comprising:

4   a router for receiving the at least one packet of Internet Protocol data; and

5   a plurality of transceivers, wherein each one of the plurality of transceivers is

6   in electronic communication with the router.

1   21.   The routing radio base station of Claim 20, wherein at least one of the plurality

2   of transceivers receives at least one packet of Internet Protocol data from the router.

1   22.   The routing radio base station of Claim 20, wherein the at least one central

2   processing unit executes a network management protocol.

1   23.   The routing radio base station of Claim 20, wherein the router is implemented

2   using at least one digital signal processor in electronic communication with the at least one

3   central processing unit.